

**FCBT690/FCBT690A - INSTALLATION INSTRUCTIONS**

WARNING: DISCONNECT POWER BEFORE INSTALLING OR SERVICING TO AVOID ELECTRICAL SHOCK. DO NOT EXCEED LUMINAIRE SPECIFIED VOLTAGE. DO NOT USE IF FIXTURE, PARTS OR CONNECTORS ARE DAMAGED. NOTE: THESE INSTRUCTIONS DO NOT COVER ALL DETAILS OR VARIATIONS IN EQUIPMENT NOR DO THEY PROVIDE FOR EVERY POSSIBLE SITUATION DURING INSTALLATION.

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### GENERAL:

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All footings should be poured to direct water away from the base of the luminaire. Drainage should be provided to prevent water from collecting under and around the luminaire. Anchors must be located per the dimensions shown. Anchor Bolts are galvanized steel. The unthreaded portion should be in the concrete and the threaded portion should be above the concrete.

Remove the mounting plate from the bottom of the luminaire by loosening the (2) set screws around the bottom edge of the housing. DO NOT remove screws completely. Once the footing is set and level, install the mounting ring. Place a continuous bead of silicone between the mounting ring and the ground. Tighten nuts snug to hold ring in place. **TIGHTEN EVENLY AND DO NOT OVERTIGHTEN.**

**Make wiring connections. All wiring connections must be made in accordance with local electrical codes, ordinances, and the National Electric Code.**

- 
- SS 1/4" - 20 x .625" SET SCREW  
2 PLACES @ 180 DEGREES**
- mounting hole pattern**
- Bolts are Min. 1" above concrete.**
- CONCRETE PAD MUST BE LARGER THAN BASE OUTSIDE DIAMETER**
- CONCRETE PAD MUST BE LEVEL**
- CONCRETE PAD SIZE TO COMPLY WITH LOCAL CODE**
- CONCRETE**
- Allow conduit Min. 1", Max. 3" above cement, trim as needed to connect to base.**
- Supply wires Max. 12" length out of conduit.**
- Conduit**
- Anchor Bolts**
- | # | ANCHOR BOLT TEMPLATE ASSEMBLY {A00690} (Includes below items) | QTY. |
|---|---|------|
| 1 | 3/8" x 12" x 1" L hook Anchor Bolt {94523B-4}                 | 4    |
| 2 | 3/8" FLAT WASHER H-D GALV STEEL                               | 8    |
| 3 | ANCHOR BOLT WOOD TEMPLATE                                     | 1    |
| 4 | ANCHOR BOLT LABEL   | 1    |
| 5 | 3/8"-16 HEX NUT H-D GALV STEEL                                | 8    |
| 6 | PLASTIC BAG, SEALED   | 1    |

#	ANCHOR BOLT TEMPLATE ASSEMBLY (A00690) (Includes below items)	QTY.
1	3/8" x 12" x 1" L hook Anchor Bolt (94523B-4)	4
2	3/8" FLAT WASHER H-D GALV STEEL	8
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4	ANCHOR BOLT LABEL	1
5	3/8"-16 HEX NUT H-D GALV STEEL	8
6	PLASTIC BAG, SEALED	1

# FCBT690/FCBT690A - INSTALLATION INSTRUCTIONS - GFCI WIRING DIAGRAM - UNV 120 - 277 VAC

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## DETAILED ILLUSTRATION

### GENERAL:

1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

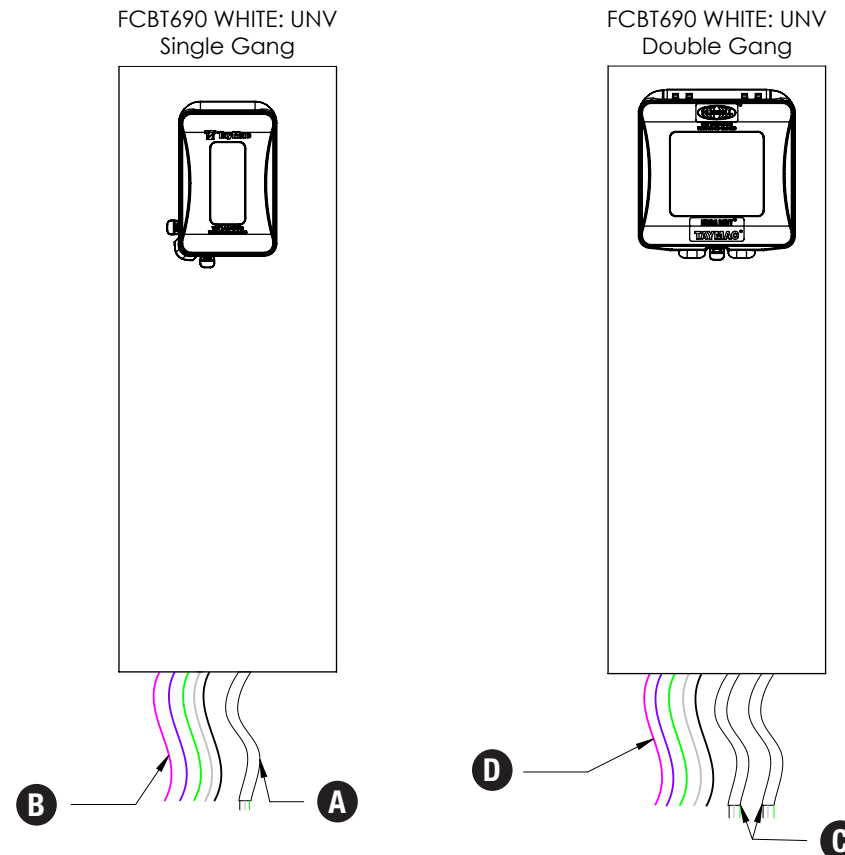
**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

### GFCI WIRING:

1. Use 3 x 12 AWG Cable (Ø0.43" x 1x White GFCI Cable 120V & 20A Max Only) for GFCI Receptacle (Black, White, Green). **Fig A**
2. Use 5 x 18 AWG Cable (120 - 277 VAC) for power to the luminaire (Black, White, Green). **Fig B**
3. Use 3 x 12 AWG Cable (Ø0.43" x 2x White GFCI Cable 120V & 20A Max Only) for GFCI Receptacle (Black, White, Green). **Fig C**
4. Use 5 x 18 AWG Cable (120 - 277 VAC) for power to the luminaire (Black, White, Green). **Fig D**



**\*WARNING\***  
GFCI REQUIRES 120V & 20A MAX  
**\*ONLY\***



COLOR CODE			
GFCI	BLACK	L	120VAC
	WHITE	N	
	GREEN	GRND	
UNV	BLACK	L	120VAC-277VAC
	WHITE	N	
	GREEN	GRND	
DIMMING	VIOLET	+	+10VDC
	PINK	-	

# FCBT690/FCBT690A - INSTALLATION INSTRUCTIONS - GFCI WIRING DIAGRAM - 347 VAC OPTION

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## DETAILED ILLUSTRATION

### GENERAL:

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2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

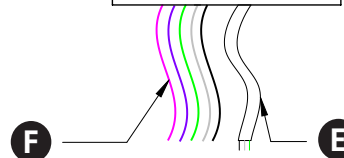
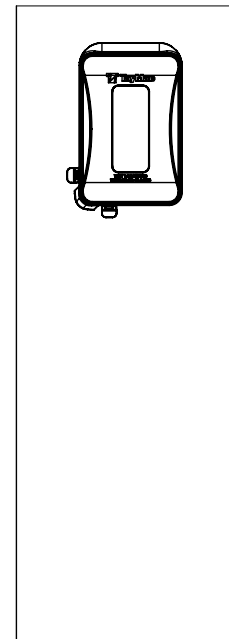
### GFCI WIRING:

1. Use 3 x 12 AWG Cable (Ø0.43" x 1x White GFCI Cable 120V & 20A Max Only) for GFCI Receptacle (Black, White, Green). **Fig E**
2. Use 5 x 18 AWG Cable (347 VAC) for power to the luminaire (Black, White, Green). **Fig F**
3. Use 3 x 12 AWG Cable (Ø0.43" x 2x White GFCI Cable 120V & 20A Max Only) for GFCI Receptacle (Black, White, Green). **Fig G**
4. Use 5 x 18 AWG Cable (347 VAC) for power to the luminaire (Black, White, Green). **Fig H**

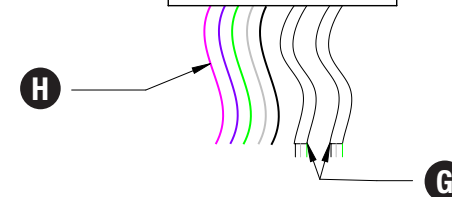
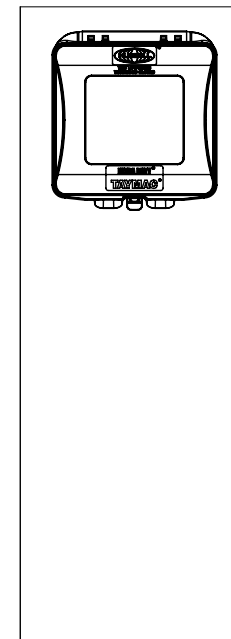


**\*WARNING\***  
GFCI REQUIRES 120V & 20A MAX  
**\*ONLY\***

FCBT690 WHITE: 347V  
Single Gang



FCBT690 WHITE: 347V  
Double Gang



COLOR CODE			
GFCI	BLACK	L	120VAC
	WHITE	N	
	GREEN	GRND	
347V	BLACK	L	347VAC
	WHITE	N	
	GREEN	GRND	
DIMMING	VIOLET	+	+10VDC
	PINK	-	

**FCBT690/FCBT690A - INSTALLATION INSTRUCTIONS - CANE DETECTION OPTION**

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FC  
OUTDOOR LIGHTING

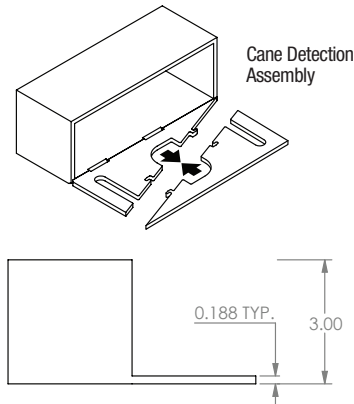
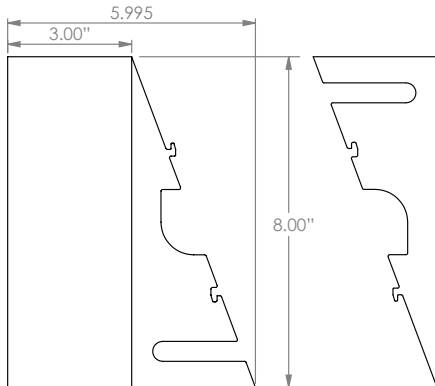
**FC**   
OUTDOOR LIGHTING  
800.900.1730  
3609 Swenson Ave.  
St. Charles, IL 60174

## DETAILED ILLUSTRATION

**GENERAL:**

1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. This product must be installed in accordance with national and local electrical and construction codes by a person familiar with the construction and operation of the product and the hazards involved. Failure to comply with the following instructions may result in injury or death.



## INSTALLATION:

## INSTALLATION FOR CANE DETECTION (FOR FCBT690 MODEL ONLY)

Ensure concrete is setup first.

- 1) Loosen nuts on Anchor Bolts.
- 2) Lift up on Base Mount.
- 3) Slide 2-piece Cane Detection assembly under the Base Mount, one on each side, aligning slots with Anchor Bolts.
- 4) Engage Locking Tabs in place under the Base Mount. Then retighten Anchor Bolts to hold Base Mount and Cane Detection assembly in place.

**IMPORTANT:** Concrete should be completely dry before securing Housing to Base.

5. Slide bollard Housing over the Base Mount.
6. Tighten Set Screws at base of Housing.
7. Turn on breaker and check operation.

**NOTE:** Unauthorized field repair will void warranty. Failure to properly set luminaire to surface may result in nullifying the warranty.

